

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Whitewood Creek, Lawrence County
09-0056-00
2010

Stream sites are classified based on the estimates of adult trout over eight inches that exist within the site. Estimates are derived from 3-pass backpack electrofishing surveys at 100-meter sites within streams. While all fish in the site are collected and measured, only trout species are used for classifications. Sites are numbered in accordance for the distance (m) from the stream confluence of a higher order stream/river.

Based on number of trout in excess of eight inches	
Class BR1	Number of wild Brown Trout exceeds 150 per acre
Class BR2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BR3	Number of wild Brown Trout is less than 25 per acre
Class BK1	Number of wild Brook Trout exceeds 150 per acre
Class BK2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BK3	Number of wild Brook Trout is less than 25 per acre
Class RB1	Number of wild Rainbow Trout exceeds 25 per acre
Class RB2	Number of wild Rainbow Trout is less than 25 per acre

Table 2. Species composition and population estimates on Whitewood Creek, 2000-2010

Site 367

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Longnose Dace	Jun 23, 2009	1	1-1	
Mountain Sucker	Jun 23, 2009	51	51-51	

Site 690

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jun 10, 2003	14	14-14	
	Aug 12, 2008	48	48-48	

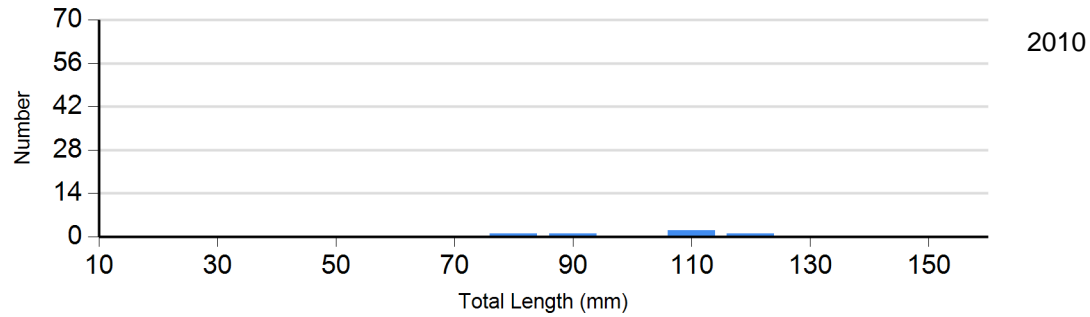
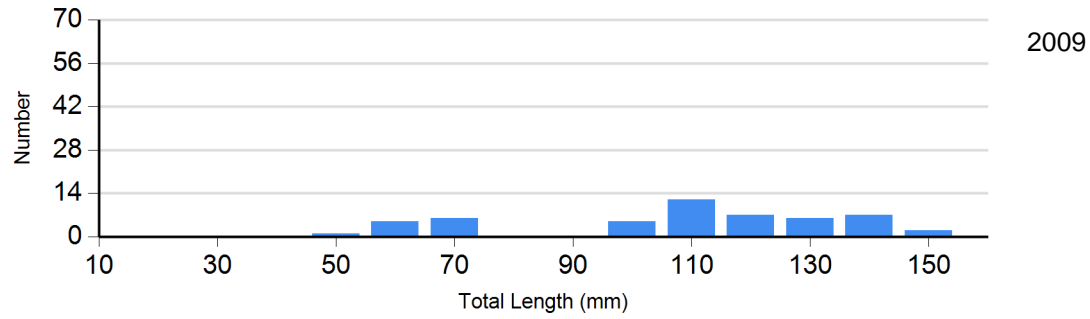
Brook Trout >=200mm	Aug 12, 2008	5	5-5	BK2
Brown Trout <200mm	Jun 10, 2003	23	23-24	
	Aug 12, 2008	5	5-5	
Brown Trout >=200mm	Jun 10, 2003	29	29-30	BR1

Length Frequency Distribution

Length frequency histogram of species sampled by year.

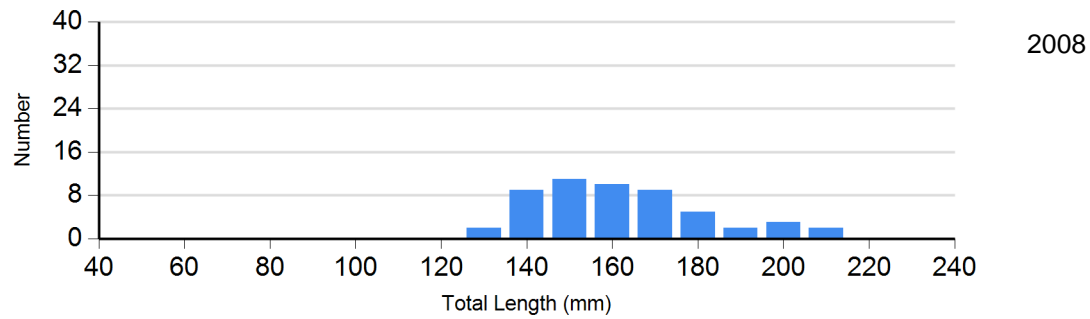
Site: 367

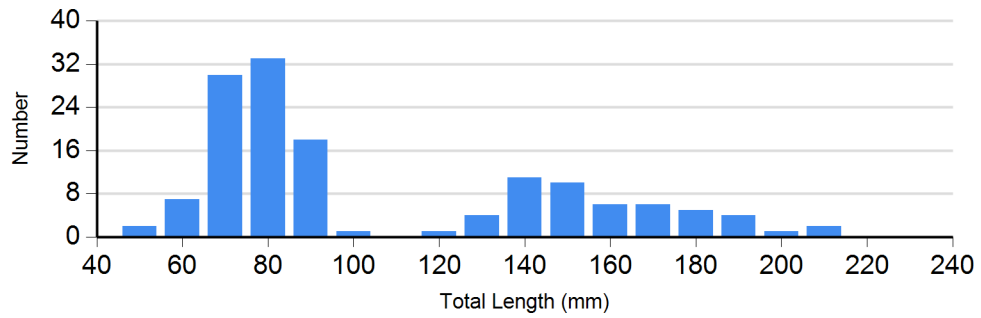
Species: Mountain Sucker



Site: 690

Species: Brook Trout





Site: 690
Species: Brown Trout

